

# Report of Inspection/Test

## *Environmental Health & Safety*

January 01, 2000

**Property**

test  
James Field  
113 Draper Hall  
40 Campus Center Way  
University of Mass

**Owner/Agent**

Environmental Health & Safe

117 Draper Hall  
UMass at Amherst, MA 01003  
Tel. (413) 545-2682



**Conducted by:**

**Inspection Ref: 2537**

**Access**

**AHJ**

**Owner**

**Water Co**

James M. Field  
Environmental Health & S.  
545-5122

**Building Notes**

Key:

**Inspection Notes**

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## Doors/Lab Safety Card

<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Laboratory Safety Information Card is up to date.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	The Lab card indicates that biohazards are present in the lab. These are listed below.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Other appropriate signs present (i.e., NFPA diamond, gases, flammables, oxidizers, etc.).
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Door windows are not obstructed.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Doorways are clear and not obstructed.

## Safety

<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	The drench shower is not obstructed.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	The drench shower has been properly tested.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Eyewash station(s) is available.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	All eyewash stations are accessible.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Eyewash stations are "flushed" weekly for at least 3 minutes.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Fire extinguisher(s) located near lab doors.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Fire extinguisher(s) not discharged or tampered with.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Fire extinguisher(s) have current inspection dates.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	First Aid kit is available.

## Signs and Postings

<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	"CAUTION - EYE PROTECTION REQUIRED"
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Laboratory Safety Rules are posted.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Emergency telephone numbers available.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Emergency gas and electrical shutoffs are clearly labeled.

## General Housekeeping

<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	The laboratory is clean, neat, and orderly.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Aisles and corridors are free of obstruction and tripping hazards.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	The floor is in good condition.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Food and beverages are not consumed and cosmetics not applied in the laboratory.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Doors locked when the lab not in use?
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Chemicals are not discarded into waste baskets or sink drains.

## Radiation Lab Postings

<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	105CMR 120.000 is present MPH RAD Right to Know
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	MRCP 120.175-1 is present.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	CAUTION RAM sign is present.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Controlled Area sign is present.

## Personal Protective Equipment (PPE)

<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	All laboratory occupants wear the appropriate eye and/or face protection.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	The protective eyewear meets ANSI standard, Z87.1, as required.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	All laboratory occupants wear appropriate laboratory coats and aprons as needed.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	All laboratory occupants wear appropriate gloves as needed.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Laboratory visitors are required to wear personal protective equipment as needed.

## General Safety Procedures

<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Shorts and open-toed shoes are prohibited without a laboratory coat and foot coverings.
<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Loose clothing and long hair is confined to prevent contact with chemicals and equipment.

## Chemical Safety

<input type="checkbox"/> ]Yes <input type="checkbox"/> ]No <input type="checkbox"/> ] N/A	Acutely hazardous chemicals outdated.
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Print Date: 11/18/2005

(All "NO" answers are to be fully explained.)  
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## Chemical Safety

- |   |   |
|---|---|
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All chemical containers are properly labeled.   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All chemicals are stored compatibly.  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Flammable liquid storage is kept to an absolute minimum.                              |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Flammable liquids are stored in approved flammable storage cabinets or refrigerators. |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Chemicals are not placed or stored on the floor.                                      |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All hazardous, toxic, and odiferous chemicals are used in approved fume hoods.        |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Acutely hazardous chemicals are used with appropriate safeguards.                     |

## Biological Waste

- |   |  |
|---|--|
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Sharps are disposed of in sharps containers.   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Cultures and stocks are chemically disinfected or autoclaved before disposal.                                    |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All biohazard identifiers are removed or covered before disposal.  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Lab has necessary materials to properly label sharps containers, medical waste and animal carcasses for pick up. |

## Chemical Waste

- |   |   |
|---|---|
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Chemical waste is located in a properly identified area.                                    |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | The chemical waste label clearly identifies the chemical constituents and specific hazards. |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Chemical waste containers are closed and in good condition.                                 |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Secondary containment is used properly.   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Hazardous waste is checked weekly.  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Waste requests have been submitted for full containers.                                     |

## Fume Hood and Exhaust Systems

- |   |   |
|---|---|
| <input type="checkbox"/>  | Repair WO Date  |
| <input type="checkbox"/>  | Repair WO Done Date   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Chemical fume hoods and/or bio-safety cabinets have been properly tested. |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Chemical fume hoods are being used at proper sash heights.                |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Chemical fume hoods are not used for storage unless so designated.        |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Fume hood lights are working.   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Fume hood or bio-safety cabinet tested within one year.                   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Fume hood is being used for research.                                     |

## Gas Cylinders

- |   |   |
|---|---|
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Gas cylinders are stored compatibly.                                      |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All gas cylinders are properly capped or have regulators.                 |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All gas cylinders are properly secured to a stationary bench or wall.     |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All flammable gas cylinders are located away from doors.                  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All gas cylinders are located away from electric panels or outlets.       |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Extremely poisonous gases are used in approved gas cylinder cabinets.     |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Gas cylinders are transported on appropriate carts with straps or chains. |

## Refrigerators

- |   |  |
|---|--|
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Flammable liquids are not stored in non-explosion proof refrigerators. |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Food and beverages are not stored in laboratory refrigerators.         |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Refrigerators are clean and maintained.                                |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Freezer are defrosted and clean.                                       |

## Electrical Safety

- |   |   |
|---|---|
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All electrical equipment is properly grounded.                        |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All electrical cords are in good condition, without splice or defect. |

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### Electrical Safety

- |   |  |
|---|--|
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Electrical outlets are prohibited within chemical fume hoods.                          |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | The electric panel breakers and fuses are properly labeled.                            |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Electrical cords do not pass through ceilings, doors, or walls.                        |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Electrical cords are not draped across the laboratory floor.                           |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Flammable liquids are not potentially near electric ignition sources.                  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Acids do not come into close contact with electric ignition sources.                   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Guards are provided for all moving parts of electrical equipment (i.e., vacuum pumps). |

### Training

- |   |   |
|---|---|
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              | Laboratory personnel have undergone safety training and specific training in the procedures conducted in the lab. |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | The laboratory has the Laboratory Health and Safety Manual.   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | MSDS sheets are available.  |